

To: Tina Laidlaw/MO/R8/USEPA/US@EPA[]
Cc: "Blend, Jeff" [jblend@mt.gov]
From: "LaVigne, Paul"
Sent: Tue 9/13/2011 7:02:54 PM
Subject: FW: Costs
[florida ro brine cost estimate.pdf](#)

Tina, attached is a report that provides good information regarding the costs to implement numeric nutrient criteria in Florida. I like this report because, unlike WERF, whose purpose was to look at sustainability with costs as side bar, this one did what we are trying to do AND it seems more comprehensive in terms of O&M costs. If we decided to use Florida's unit costs for advanced treatment, RO and brine disposal, my guess is that all of our sample communities would exceed 2%. Let us know what you think.

Thanks.
Paul

-----Original Message-----

From: LaVigne, Paul
Sent: Tuesday, September 13, 2011 11:21 AM
To: Blend, Jeff
Subject: Costs

Jeff, check this attachment out. It was prepared by Carollo Engineers for Florida DEP to assess costs for numeric nutrient criteria. I think the costs they came up with are generally a little higher than WERF. For example, to go from a level 1 (WERF) to level 5 is about \$16.30/g/d for capital and \$4/g/d for O&M. This assumes deep well injection for brine disposal. Check out page 5 of Appendix A, which is Florida's independent cost estimate. I think that is page 19 of the PDF.

Let me know what you think.
Paul